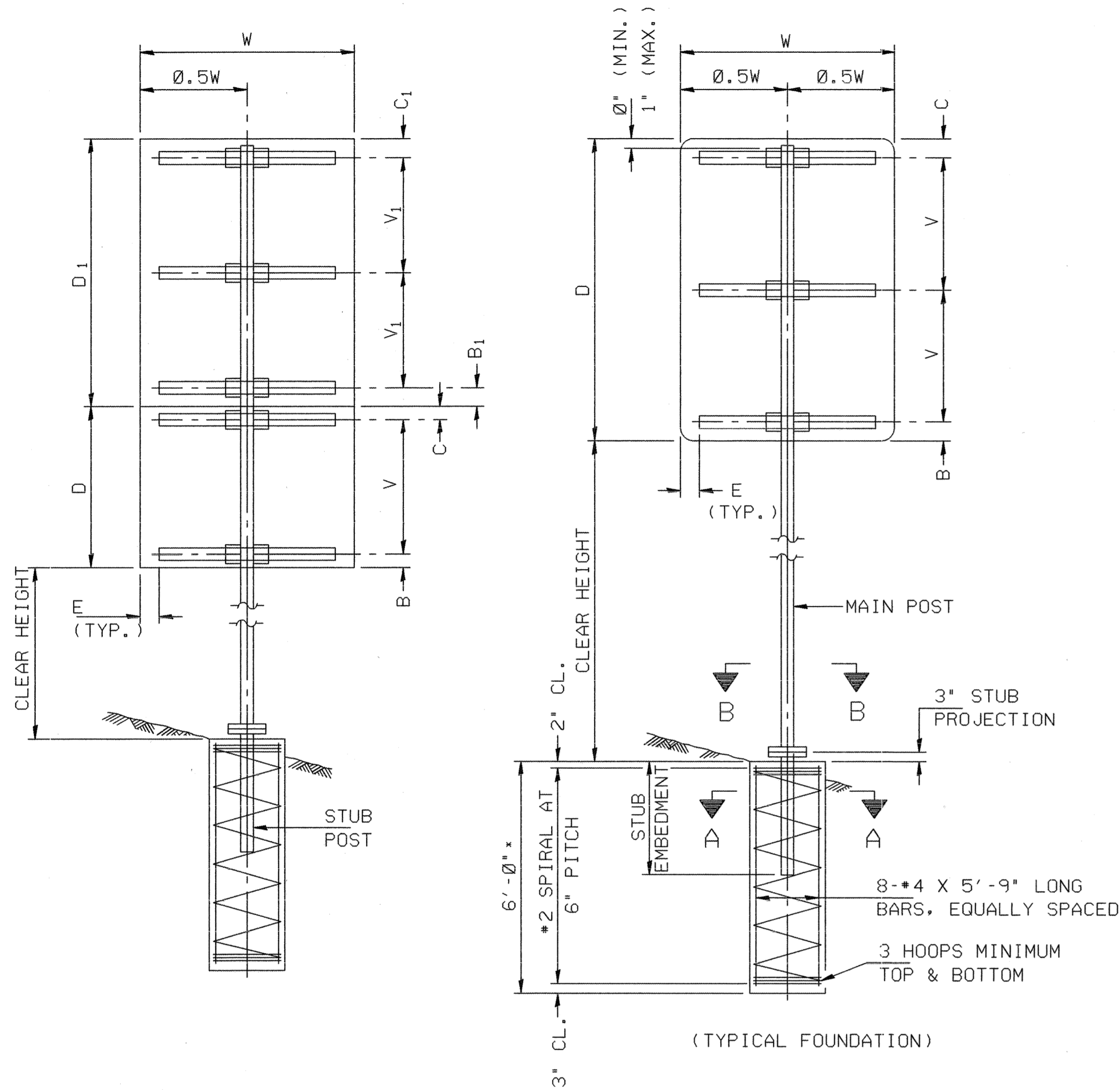


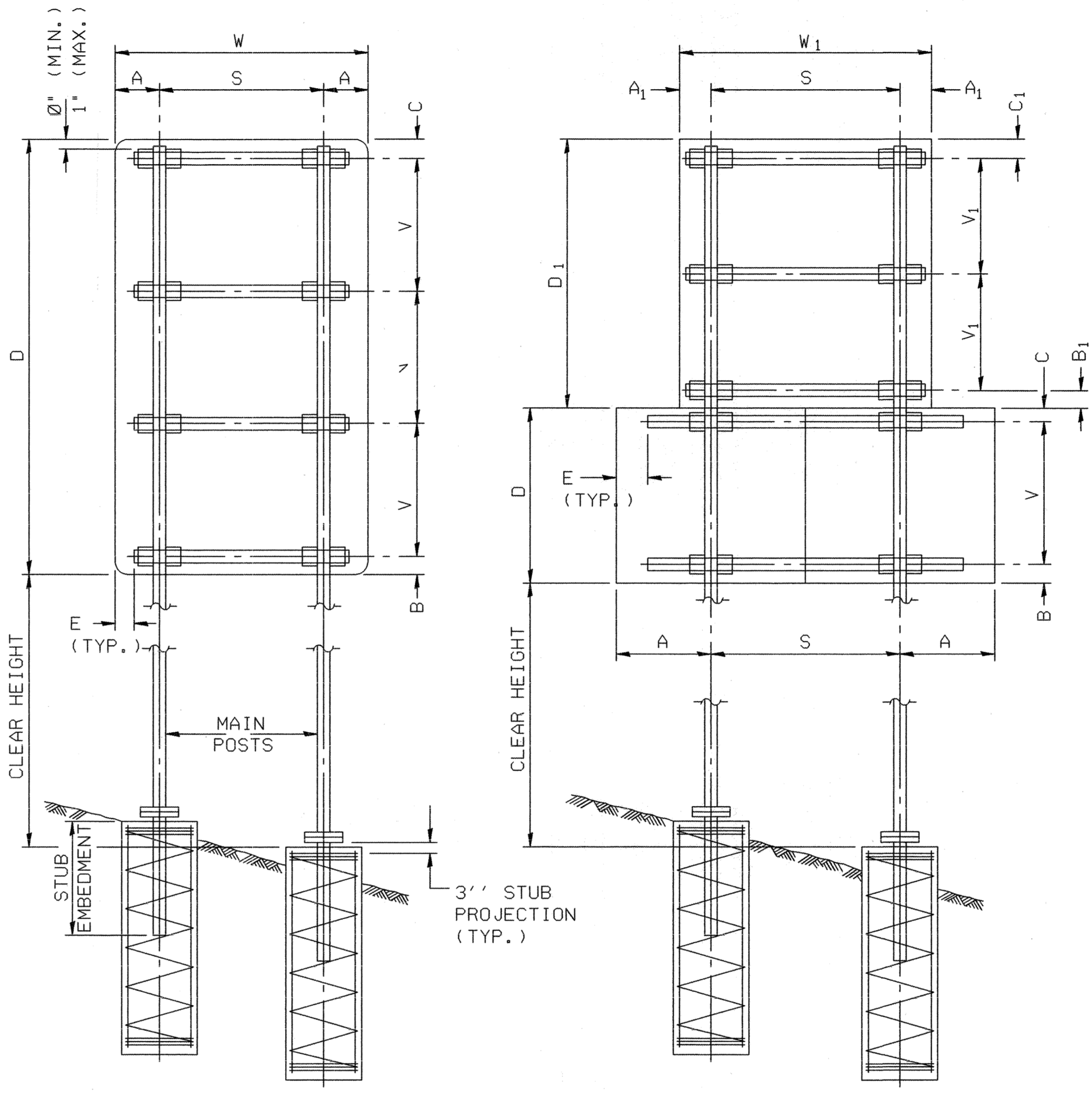
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SINGLE POST ASSEMBLY EXAMPLES

\*DIMENSIONAL CHANGES REQUIRED FOR VARYING SITE  
CONDITIONS SHALL BE APPROVED BY THE ENGINEER.

A OR A<sub>1</sub> = 6" MIN. TO 2'-0" MAX. (APPROXIMATELY 0.2W OR 0.2W)  
B OR B<sub>1</sub> = 3" MIN. TO 4" MAX.  
C OR C<sub>1</sub> = 3" MIN. TO 4" MAX.  
E = 0" MIN. TO 6" MAX.  
S = 3'-0" MIN. TO 6'-0" MAX. (APPROXIMATELY 0.6W OR 0.6W)  
V OR V<sub>1</sub> = 2'-0" MIN. TO 2'-11" MAX.



DUAL POST ASSEMBLY EXAMPLES

MAIN POST STEEL TUBING	WEIGHT PER FOOT (POUND)	STUB POST TABLE		MAIN POST TABLE					
		STUB EMBEDMENT	STUB POST LENGTH	BOLT SIZE	A	T	R	BOLT CIRCLE	
3" x 2" x 1/4"	7.11	2'-0"	2'-3"	1/2" x 2 3/4"	8 1/4"	5/8"	9/32"	6 1/2"	
4" x 2" x 1/4"	8.81	2'-0"	2'-3"	1/2" x 2 3/4"	8 1/4"	5/8"	9/32"	6 1/2"	
4" x 3" x 1/4"	10.51	2'-3"	2'-6"	5/8" x 3 1/4"	10"	3/4"	11/32"	8"	
5" x 3" x 1/4"	12.21	2'-3"	2'-6"	5/8" x 3 1/4"	10"	3/4"	11/32"	8"	
6" x 3" x 1/4"	13.91	2'-3"	2'-6"	5/8" x 3 1/4"	11 1/2"	3/4"	11/32"	9 1/2"	
6" x 4" x 1/4"	15.62	2'-3"	2'-6"	3/4" x 3 1/2"	11 1/2"	3/4"	13/32"	9 1/2"	
6" x 4" x 5/16"	19.08	2'-3"	2'-6"	3/4" x 3 1/2"	11 1/2"	3/4"	13/32"	9 1/2"	
7" x 5" x 1/4"	19.02	2'-6"	2'-9"	3/4" x 3 1/2"	1'-2"	3/4"	13/32"	1'-0"	
8" x 4" x 1/4"	19.02	2'-6"	2'-9"	3/4" x 3 1/2"	1'-2"	3/4"	13/32"	1'-0"	
8" x 6" x 1/4"	22.42	2'-6"	2'-9"	7/8" x 3 1/2"	1'-2"	3/4"	15/32"	1'-0"	

GENERAL NOTES

POSTS SHALL BE PLUMBED BY USING SHIMS WITH POST-TO-STUB  
POST CONNECTION BOLTS SNUG TIGHT ONLY. FINAL TIGHTENING  
OF ALL HIGH STRENGTH BOLTS SHALL BE IN ACCORDANCE WITH  
ARTICLE 505.04(F)(3), AND THREADS AT THE JUNCTION OF THE  
BOLT AND NUT SHALL BE BURRED OR CENTER PUNCHED TO PREVENT  
THE NUT FROM LOOSENING.

ONE FOUNDATION REQUIRES 0.7 CUBIC YARDS OF CONCRETE AND 46  
POUNDS OF REINFORCEMENT BARS AND SPIRAL HOOPS.

LOADING: 80 MPH WIND WITH 30% GUST FACTOR, NORMAL  
TO SIGN.

DESIGN STRESSES:  
STRUCTURAL STEEL - 20,000 PSI  
REINFORCING STEEL - 20,000 PSI  
CONCRETE - 1,400 PSI  
FOOTING SOIL PRESSURE - 2,000 PSF

AFTER FABRICATION, THE POST, FUSE PLATE, BASE PLATE AND  
UPPER 6" (MINIMUM) OF THE STUB POST SHALL BE HOT-DIP  
GALVANIZED IN ACCORDANCE WITH AASHTO M111. ALL BOLTS,  
NUTS AND WASHERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE  
WITH AASHTO M232.

FOR SECTIONS A-A AND B-B, SEE BASE SHEET BAT-A-2.

FOUNDATIONS:  
ALL NECESSARY EXCAVATION OR DRILLING  
(EXCEPT IN ROCK); BACKFILLING  
MATERIAL; DISPOSAL OF UNSUITABLE OR SURPLUS  
MATERIAL; FORMWORK; AND FURNISHING  
THE CLASS SI CONCRETE AND REINFORCEMENT BARS,  
SHALL BE INCLUDED IN THE PAY ITEM USED FOR  
FOUNDATIONS.

THE MEASUREMENT OF THE TUBULAR STEEL SHALL BE  
COMPUTED ON THE BASIS OF THE WEIGHT PER FOOT OF  
THE SUPPORT, MULTIPLIED BY THE COMBINED LENGTH OF  
THE MAIN POSTS AND STUB POSTS.

BREAK-AWAY TUBULAR STEEL  
SIGN POSTS AND FOUNDATIONS

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

BAT-A-1 11/1/2002

EXAMINED	20
PASSED	

NUMBER	REVISION	DATE